

SALES & ENGINEERING DATA

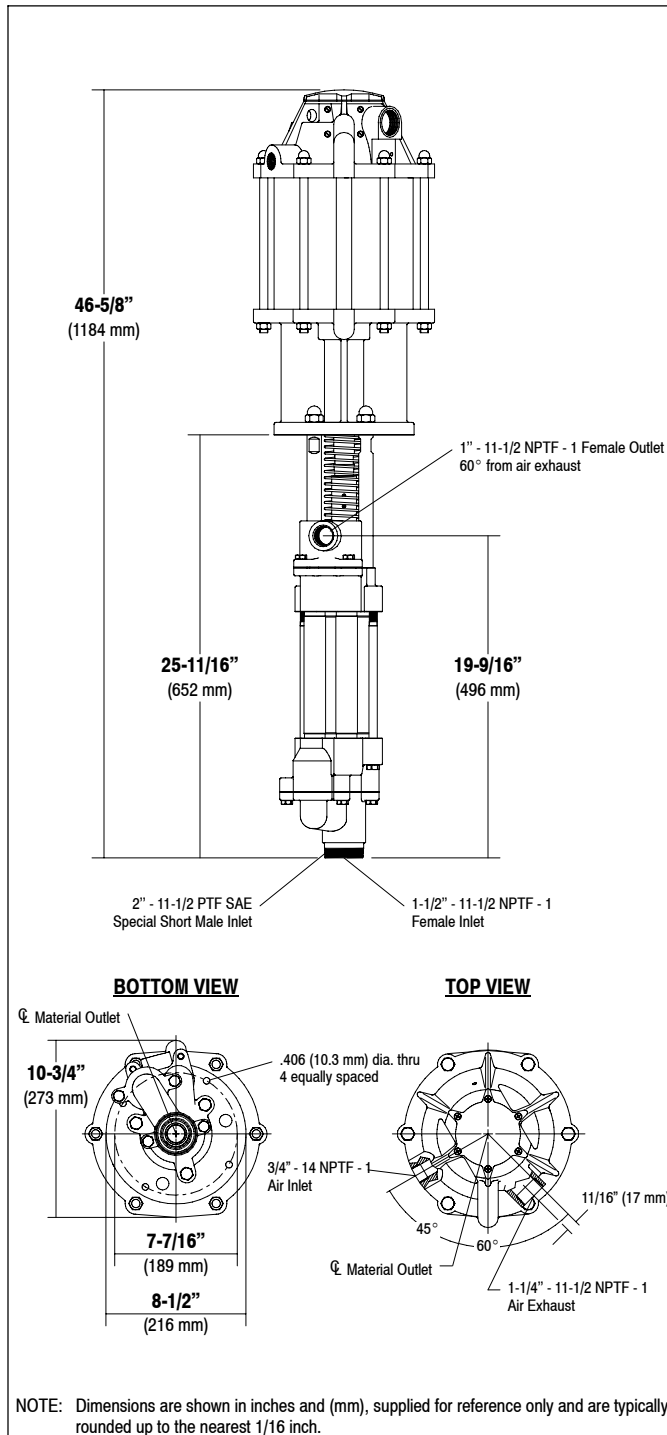
650840-X4X

FOUR - BALL PUMP

RATIO SERIES:	5:1
FLUID PSI RANGE:	150 - 702

RELEASED: 9-25-98
REVISED: 5-26-10
(REV. 03) S-944

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series (refer to option chart)	650840-X4X
Pump Type	Air Operated, Four-Ball, Double Acting Pump
Ratio	5:1
Air Motor	66523
Motor Repair Kit	66614
Motor Diameter	8" (20.3 cm)
Stroke	6" (15.2 cm)
Air Inlet	3/4" - 14 n.p.t.f. - 1 (female)
Air Exhaust	1-1/4" - 11-1/2 n.p.t.f. - 1 (female)
Lower Pump End Series	67201-X4X
Lower Pump Repair Kit	637318-X4C
Packing Options:	

7 - PTFE
C - UHMW-PE
F - UHMW-PE / Leather staggered upper • UHMW-PE lower
P - UHMW-PE / PTFE staggered upper • UHMW-PE lower
R - PTFE / UHMW-PE staggered upper • PTFE lower

Material Inlet

Female thread	1-1/2" - 11-1/2 n.p.t.f. - 1
Male thread	2" - 11-1/2 p.t.f. SAE spec. short

Material Outlet 1" - 11-1/2 n.p.t.f. - 1 (female)

MATERIALS OF CONSTRUCTION

Outlet Body	CF-8M Stainless Steel
Cylinder (-X4C)	304 Stainless Steel, Ceramic coating
(-X47)	304 Stainless Steel, hard chrome plated
Plunger (-X4C)	17-4 Stainless Steel, Ceramic coating
(-X47)	17-4 Stainless Steel, hard chrome plated
Upper Ball	316 Stainless Steel
Upper Seat	17-4 Stainless Steel
Lower Ball	316 Stainless Steel
Lower Seat	17-4 Stainless Steel
Inlet Body	CF-8M Stainless Steel
Weight	96 lbs (43.5 kgs)

PERFORMANCE

Air Inlet Pressure Range	30 - 120 p.s.i. (2.1 - 8.3 bar)
Fluid Pressure Range	150 - 702 p.s.i. (10.3 - 48.4 bar)
Max. Rec'd Cycles / Minute	60
Displacement In ³ Per Cycle	108.1
Volume / Cycle	59.9 oz. (1771 ml)
Cycles Per Gallon	2.1
Flow @ 60 Cycles / Minute	28.0 g.p.m. (106.2 l.p.m.)
Noise Level @ 60 p.s.i. - 40 c.p.m.	89.8 db(A)①

① Tested with 91790 Muffler installed. The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

ACCESSORIES:

66542 Wall Mount Bracket
67187-1 Mounting Post
92460 Silencer

INGERSOLL RAND COMPANY LTD

209 NORTH MAIN STREET - BRYAN, OHIO 43506

① (800) 495-0276 • FAX(800) 892-6276

www.ingersollrandproducts.com

© 2010

CCN 99738080

ARO  **Ingersoll Rand**
Industrial Technologies

PERFORMANCE CURVES

